Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

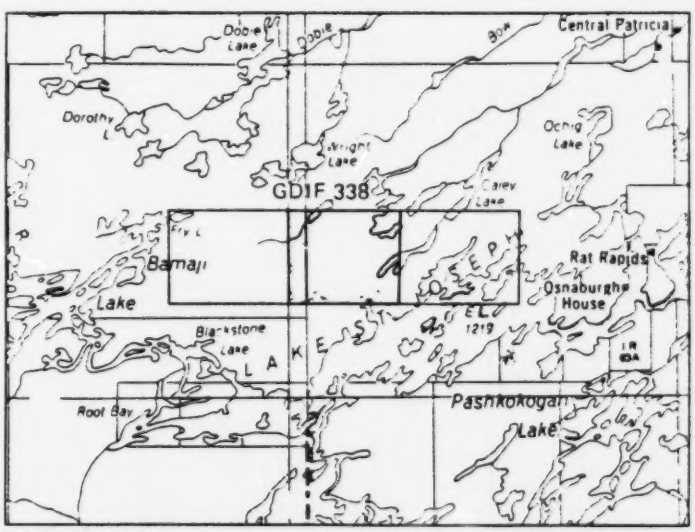
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 338

DUFFELL LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

87-03533/

NTS Number 520/02NW

Mining Claim Map Number G-2013

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1986: Duffell Lake Area, District of Kenora (Patricia Portion); Ontario Geological Survey, Geological Data Inventory Folio 338, compiled by the staff of the Resident Geologists' Office, Sioux Lookout, 16p. and 2 maps.

Original Compilation by: Cathy Proctor, M. Sawtelle

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1
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Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	N/A	CJP
3	ODM General Index; 9 volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	YES	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O.G.S.)	YES	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers: ODM & OGS	YES	CJP
16	ODM Geological Circulars: OGS Study Series	NO	CJP
17	ODM Preliminary Reports: ODM Bulletins	YES	CJP
18	ODM – OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Aerial Photographs in Sioux Lookout Office	NO	CJP
23	Unpublished Theses	NO	CJP

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- △ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra . . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	DEMPSTER SOUTHWEST	Au	02308	--	O.G.S. 1935, AR VOL. 44, pt. 6, pg.69

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
A	UNION MINIERE EXPLS (DOBIE PROJECT) (520/10SE-0011)	71							71	71										
B	COCHENOUR WILLANS G (520/06SW-0013)											72	72							
C	NEWCONEX CANADIAN EXPL L (KAWINOGANS PROJECT) (520/07SW-0013)	69											69							
D*	UNION MINIERE EXPLS (CROBIE AREA/MATFLY A,B,C) (520/07SW-0015)								73											
E	COCHENOUR WILLANS G (SELCO BAMAJI PROJECT) (520/02NW-0010-A1)				70															
	*Note: Property D covers the entire map area																			

GDIF FORM NO. 7

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	OVERBURDEN DRILLING		
F	COCHENOUR WILLANS GOLD (SELCO BAMAJI PROJ) (520/02NW-0010-B1)				70															
G	UNION MINIERE EXPLS (520/02NW-0010-C1)				74															
H	AMOCO CANADIAN PETROLEUM (520/02NW-0011)					83												83		
I	AMOCO CANADIAN PETROLEUM (520/02NW-0012)					84												84		
J	AMOCO CANADIAN PETROLEUM (520/02NW-0013)					84														
K	NORANDA EXPLORATION C L (520/02NW-0014)	84										84	84							
L	NORANDA EXPLORATION C L (520/02NW-0015)	84										84	84							
M	NORANDA EXPLORATION C L (520/02NW-0016-A1)	84																		
N	NORANDA EXPLORATION C L (520/02NW-00160-C1)					84														

GDIF FORM NO. 7

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
O	AMOCO CANADIAN PETROLEUM (520/02NW-0017-A1)					84														
P	NORANDA EXPLORATION C L (520/02NW-0017-D1)		84																	
Q	NORANDA EXPLORATION C L (520/02NW-0018-A1)	84										84	84							
R	AMOCO CANADIAN PETROLEUM (520/02NW-0019)				84															
S	NORTHERN DYNASTY (520/02NW-0020)		86									86	86							

GDIF FORM NO. .

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Cochenour Willans Gold Ms (Selco)	B-28-70-1	1970	30	-45	11	84	po,py	Au,Ag,Ni
2		B-27-70-1	1970	0	-45	6	59	py	--
3		B-27-70-2	1970	0	-45	33	76	py,po,mag	--
4	Umex Corporation	C191	1974	N50W	-45	4	179	po,py,mag	--
5	Amoco Canadian Petro	FLO-84-12-1	1984	45	-45	64	330	py	Au
6		FLO-84-12-2	1984	45	-45	64	331	py	Au
7		FLO-84-12-3	1984	45	-45	62	331	py,mag	Au
8		FLO-84-13-3	1984	45	-45	120	401	py,cp,hem,gt	Au
9		FLO-84-13-2	1984	45	-45	68	335	py,po,cp	Au,Ag,Cu
10		FLO-84-13-1	1984	45	-45	22	323	py,po,mag,cp	Au,Ag,Cu, Ni
11		FLO-84-13-5	1984	45	-45	8	331	po,cp	Au
12		FLO-84-13-4	1984	45	-45	13	330	py,po	Au,Ag,Cu
13		FLO-84-13-7	1984	45	-45	12	340	py,po,cp	Au
14		FLO-84-13-6	1984	45	-45	37	340	py	Au

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
A	BY: SPARTAN AERO LTD FOR: UNION MINIERE EXPL	MAGNETIC AND ELECTROMAGNETIC	150'	N30°E	1/4 mile
D	BY: CANICO FOR: UNION MINIERE EXPL	MAGNETIC	500'	NE/SW	1/4 mile

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	HUMUS	Au,As	NORANDA EXPLORATION C.L.	RESIDENT GEOLOGIST'S OFFICE FILE (520/02NW-0017-D1)
2	HUMUS	Au,As	NORANDA EXPLORATION C.L.	RESIDENT GEOLOGIST'S OFFICE FILE (520/02NW-0017-D1)
S	ROCK, SOIL, SEDIMENT	Au, multi-spectral	NORTHERN DYNASTY	RESIDENT GEOLOGIST'S OFFICE FILE (520/02NW-0020)

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No Data as of September 1986			

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

SIOUX LOOKOUT

NORTHERN DYNASTY COMPANY L p.107,109-111,113

ODM GENERAL INDEX SEARCH

Words searched: DUFFELL LAKE, JARROW LAKE, CARPENTER LAKE, DEMPSTER LAKE

Index Volume	Listing:	Report Volume	Part	Page
III	GEOLOGY OF THE CAT RIVER-KAWINOGANS LAKE AREA	XLIV	6	53-73

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SAGE, R.P. BREAKS, F.W.	1982	GEOLOGY OF THE CAT LAKE - PICKLE LAKE AREA, DISTRICTS OF KENORA AND THUNDER BAY, O.G.S., REPORT 207, 238p, ACCOMPANIED BY MAP 2218.	G.R. 207 MAP 2218	1:253,440
SAGE, R.P. BREAKS, F.W.	1976	OPERATION PICKLE LAKE, DISTRICTS OF KENORA, PATRICIA PORTION AND THUNDER BAY, ONTARIO DIVISION OF MINES, O.F.R. 5180.	O.F.R. 5180	
HARDING, W.D.	1934	THE CAT RIVER-KAWINOGANS LAKE AREA, PATRICIA-KENORA DISTRICT, ONTARIO; O.D.M. PRELIMINARY REPORT 1934-3.	P.R. 1934-3	
O.D.M.	1935	THE CAT RIVER-KAWINOGANS LAKE AREA, ANNUAL REPORT BY W.D. HARDING, ACCOMPANIED BY MAP 44f.	MAP 44f	1"=2 miles
SPEED, A.A.	1980	DUFFELL LAKE, DISTRICT OF KENORA(PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY PRELIMINARY MAP P.2103, SIOUX LOOKOUT DATA SERIES.	P. 2103	1:15,840 1"= 1/4mile
AYRES, L.D. LUMBERS, S.B. MILNE, V.G. ROBESON, D.W.	1970	AIRBORNE GEOPHYSICAL SURVEYS, ONTARIO GEOLOGICAL MAP, WEST CENTRAL SHEET. MAP 2199.	MAP 2199	1:1,013,760 1"=16 miles
SAGE, R.P. BREAKS, F.W. TROUP, W.R.	1973	OPERATION PICKLE LAKE, BAMAJI LAKE, LAKE ST. JOSEPH SHEET, DISTRICT OF KENORA, O.D.M. PRELIMINARY MAP P.808.	P.808	1"=2 miles
ROBERTSON, JAMES A. VOS, M.A. SPRINGER, JANET	1976	MINERAL POTENTIAL MAP OF ONTARIO 1976, WEST CENTRAL SHEET, O.D.M. PRELIMINARY MAP P.1098	P.1098	1:1,013,760 1"=16 miles

SELECTED REFERENCES

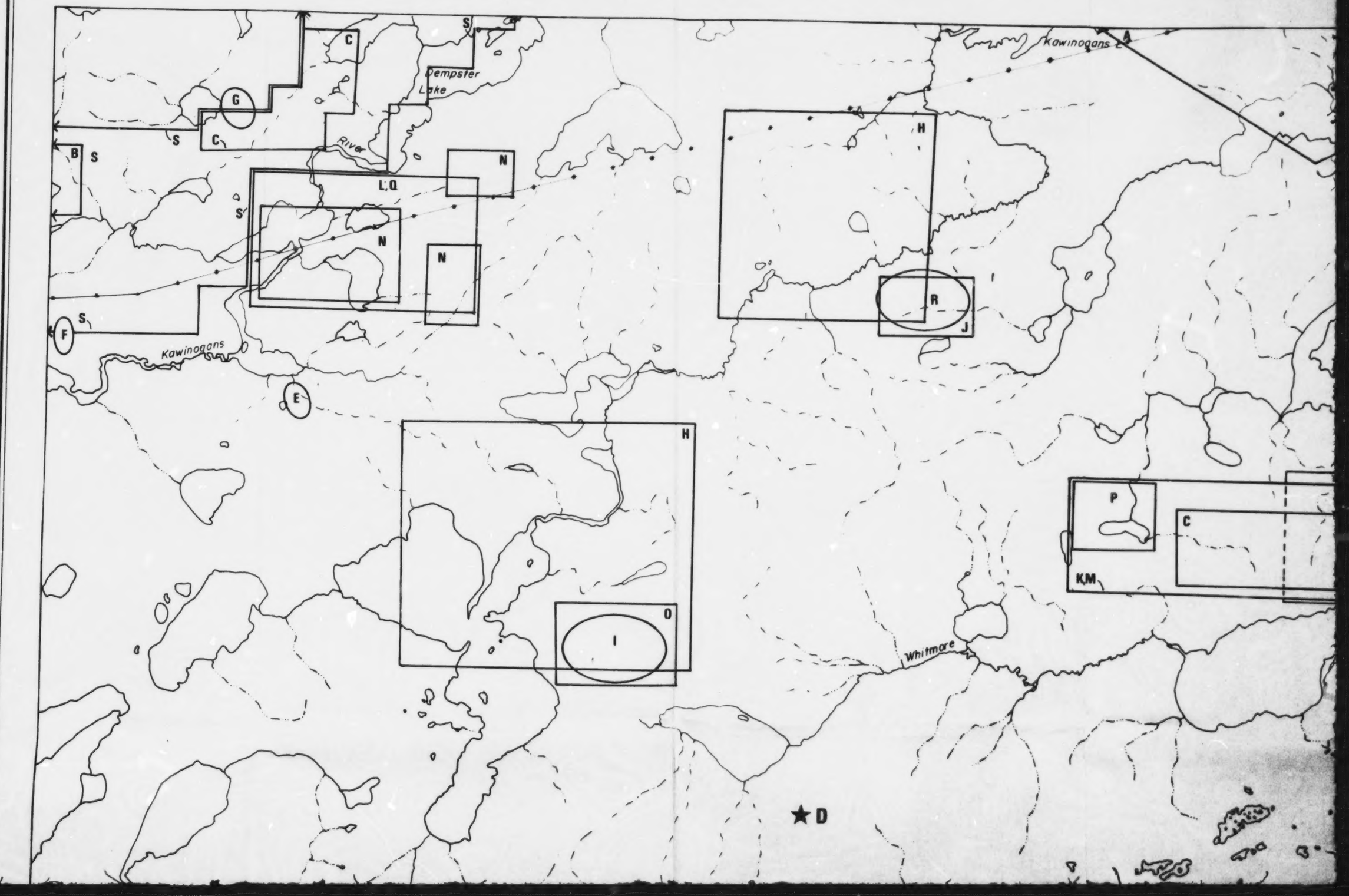
Author	Date	Title	Reference	Map Scales and/or Report Pages
SPRINGER, JANET	1978	ONTARIO MINERAL POTENTIAL MAP, LAKE ST. JOSEPH SHEET, DISTRICTS OF THUNDER BAY AND KENORA, O.G.S. PRELIMINARY MAP P.1542	P. 1542	1:250,000
STOTT, G.M. WALLACE, HENRY	1984	REGIONAL STRATIGRAPHY AND STRUCTURE OF THE CENTRAL UCHI SUBPROVINCE: MEEN LAKE-KASAGIMINNIS LAKE AND PASHKOKOGAN LAKE SECTIONS: p.7-13 IN SUMMARY OF FIELD WORK, 1984, ONTARIO GEOLOGICAL SURVEY, EDITED BY JOHN WOOD, OWEN L. WHITE, R. B. BARLOW AND A. C. COLVINE, ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS PAPER 119, 309p.	M.P. 119	
JANES, D.A. HUGGINS, R.B.	1985	SIOUX LOOKOUT RESIDENT GEOLOGIST AREA, NORTH-WESTERN ONTARIO: p.44-55 IN REPORT OF ACTIVITIES 1984, REGIONAL AND RESIDENT GEOLOGISTS, EDITED BY C. R. KUSTRA, ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS PAPER 122, 297p.	M.P. 122	
G.S.C.	1963	GEOCHEMISTRY-COPPER IN BEDROCK, KENORA AND THUNDER BAY DISTRICTS.	MAP 50-1963	1:253,440
G.S.C.	1963	AEROMAGNETIC SERIES-GEOPHYSICS PAPER 7010G, LAKE ST. JOSEPH SHEET 52/0.	MAP 7010G	1:253,440
EMSLIE, R.F.	1960	GEOLOGY, LAKE ST. JOSEPH, ONTARIO	MAP 50-1960	1"=4 miles
STOTT, G.M. WILSON, A.C.	1986	PRECAMBRIAN GEOLOGY OF THE MUSKEGSAGAGEN LAKES AREA, DISTRICT OF KENORA (PATRICIA PORTION), ONTARIO GEOLOGICAL SURVEY, MAP P.3049, GEOLOGICAL SERIES-PRELIMINARY MAP, SCALE 1:50,000. GEOLOGY 1984.	P. 3049	1:50,000

GDIF FORM NO.3

NOTES AND ADDENDA

AERIAL PHOTOGRAPHS: No data as of September 1986

GDIF FORM NO.10


Dempster Lake
River
Kawinogans
Kawinogans
Whitmore
S
C
G
S
C
B
S
L.Q
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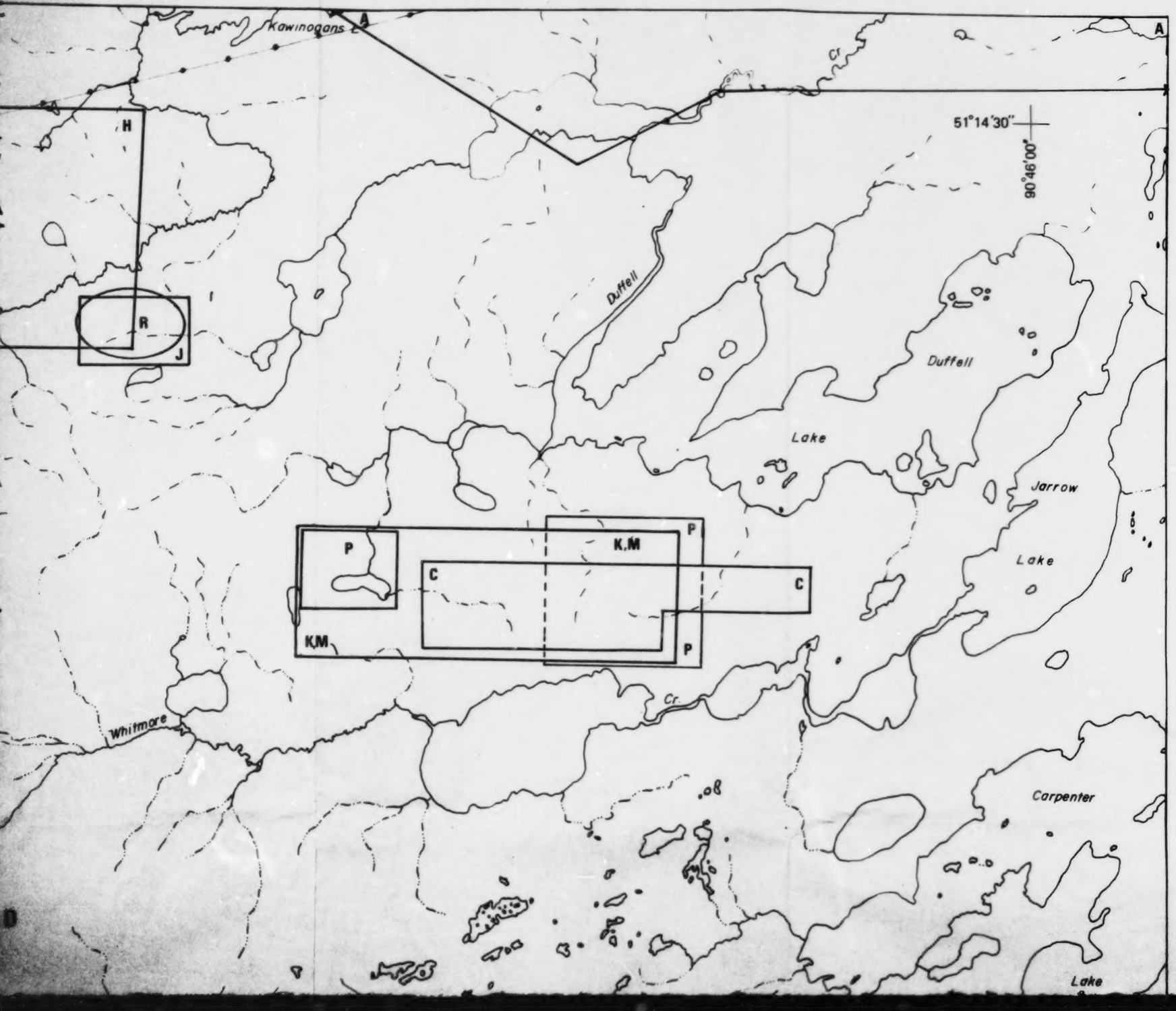
K.M
★D



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 338

(Map 1 of 2)

DUFFELL LAKE AREA

DISTRICT OF KENORA

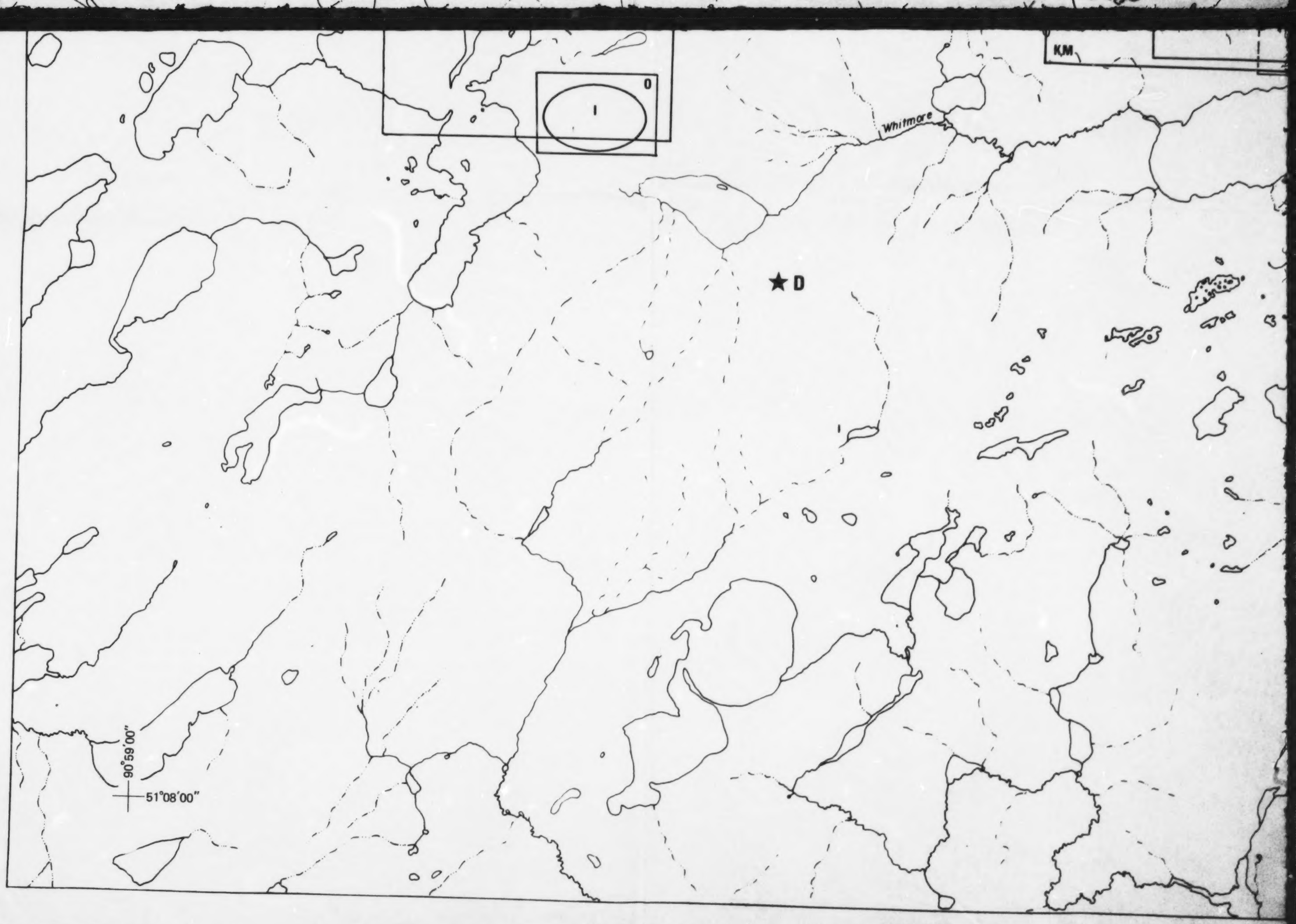
(PATRICIA PORTION)

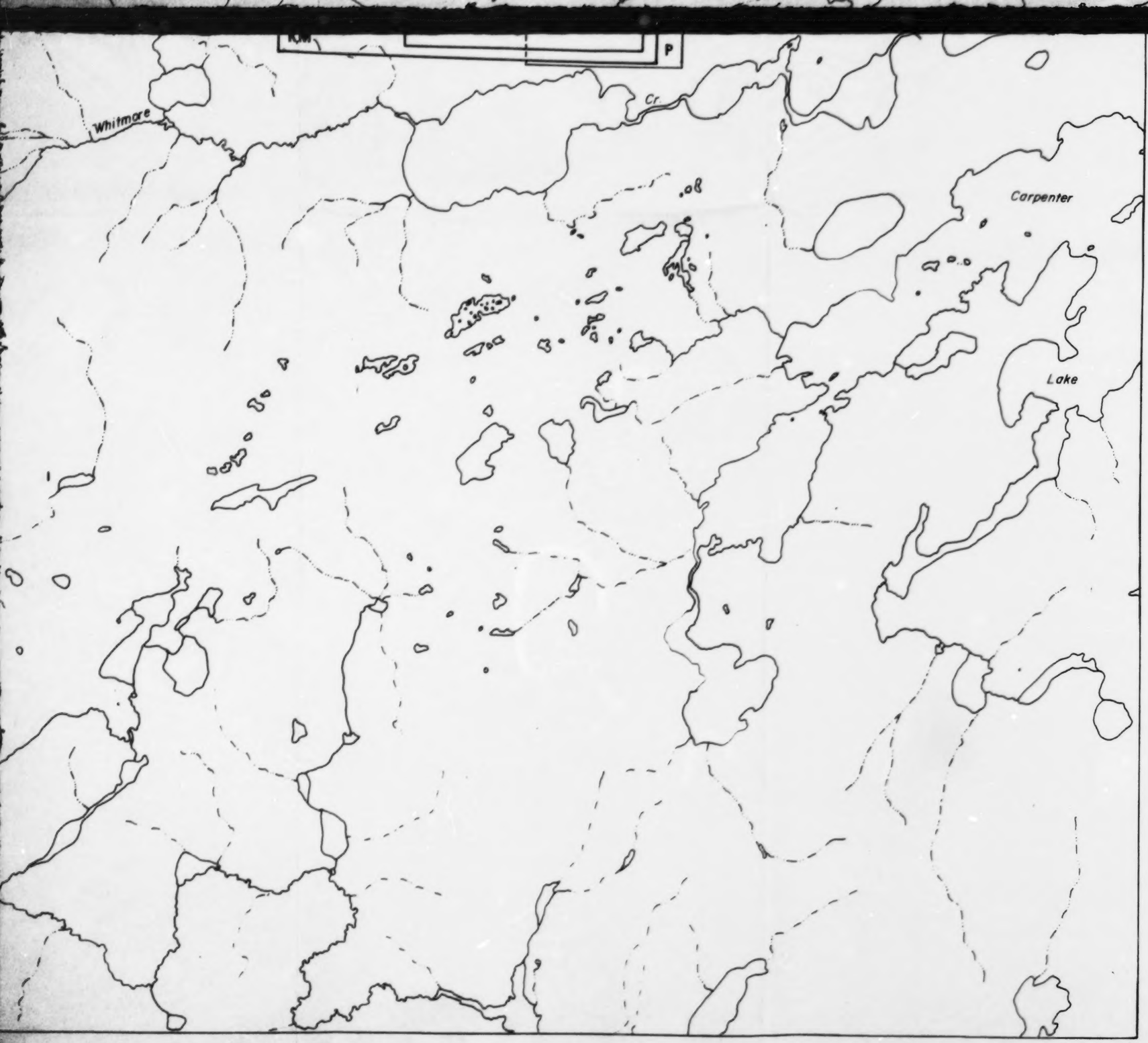
Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS


KM
Whitmore
D
90°59'00"
51°08'00"



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

Area of explorations covers entire map area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

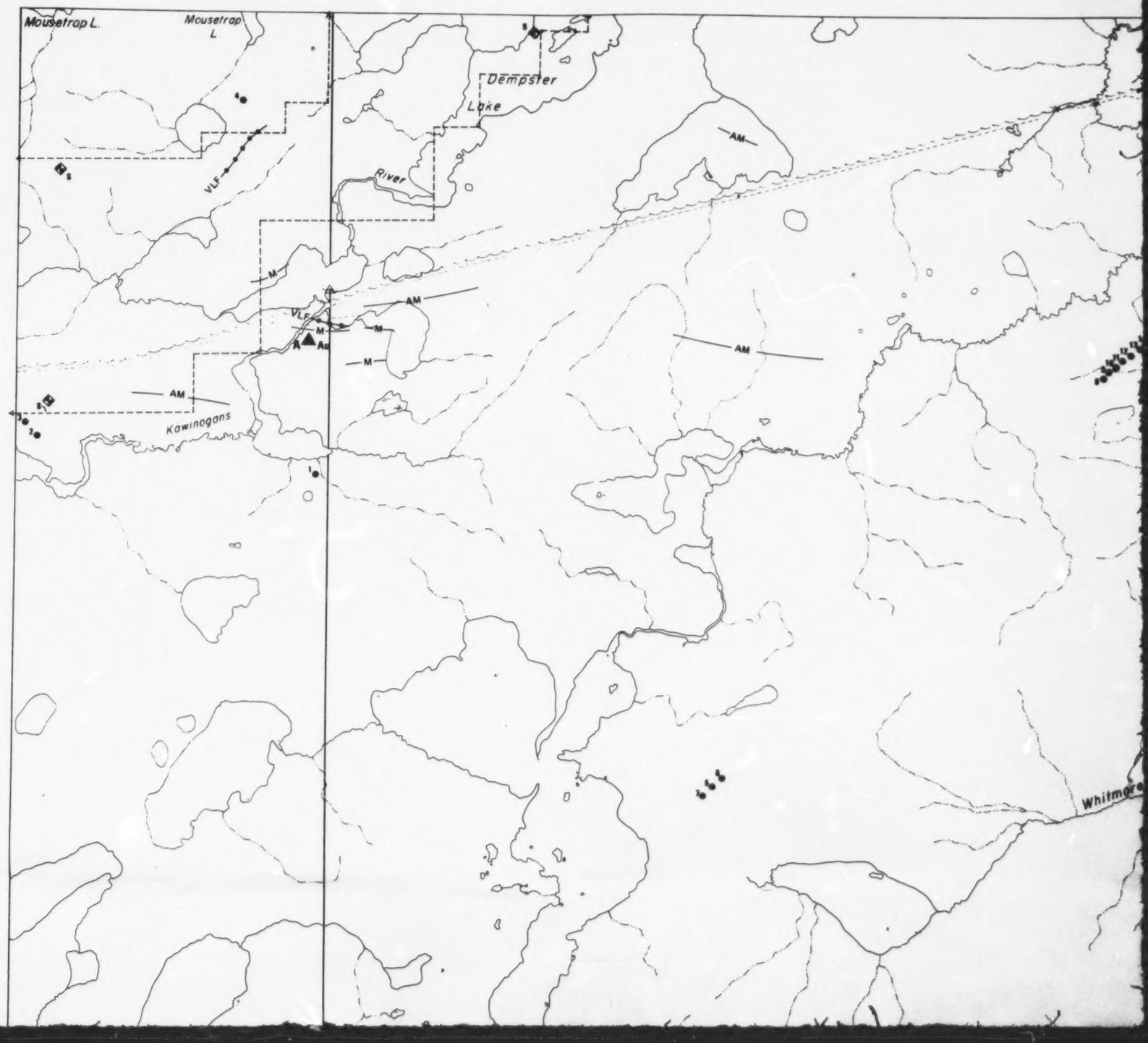
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL Horizontal loop; (VLF)- Very low freq; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Rock quarry
- Sand and/or gravel pit



Kawinogans L.

Dempster Lake

AM

AM

AM

Cr.

51°14'30"

90°46'00"

Duffell

Duffell Lake

Jarrow Lake

VLF

VLF

VLF

M

VLF

AM

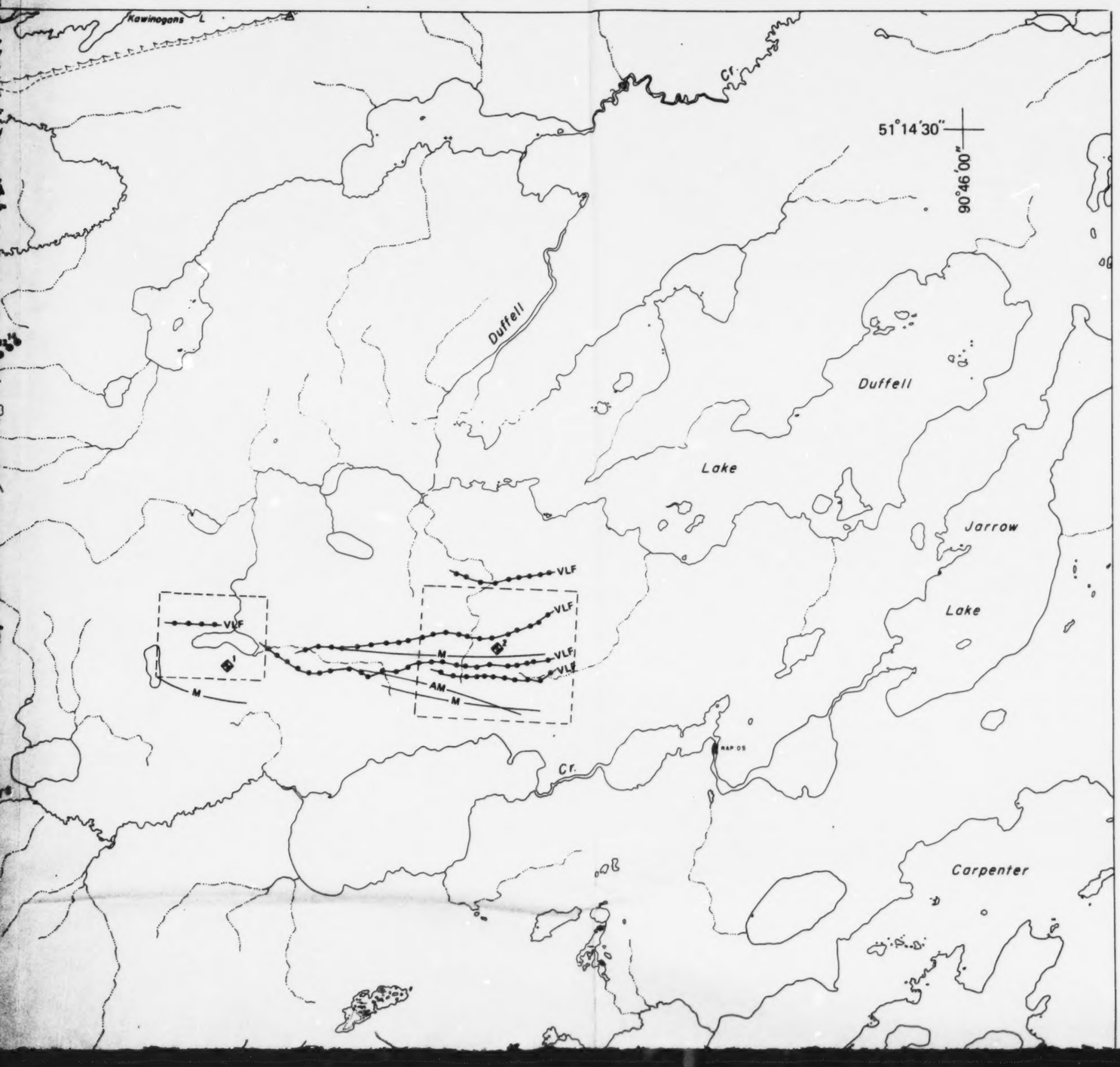
M

M

Whitmore

Cr.

Carpenter



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 338

(Map 2 of 2)

DUFFELL LAKE AREA

DISTRICT OF KENORA

(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map.
- Mineralized float with reference letter

- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Whitmore

Cr.

Carpenter

Lake

Carpenter R.

Cr.

Carpenter

Lake

Carpenter R.

Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

GD #: 330